

WHAT IS CLAIMED IS:

1 1. For use in a communications system, a system for
2 extending the range of a wireless headset comprising:

3 a phone;

4 a wireless headset associated with said phone,
5 *Sub* said wireless headset capable of communicating directly
6 *a1* with said phone utilizing a wireless communications
7 protocol having a distance limit;

8 a communications system; and

9 a plurality of access points each coupled to said
10 communications system at one of a plurality of dispersed
11 locations, each access point capable of selectively

12 emulating said phone utilizing said communic-
13 ations protocol,

14 emulating said headset utilizing said communic-
15 ations protocol

16 communicating with said phone within said finite
17 distance from said phone utilizing said communications
18 protocol,

19 communicating with said headset within said
20 finite distance from said headset utilizing said
21 communications protocol, and

22 interfacing with said communications system,

23 wherein said access points are capable of selectively
24 establishing a communications path within said communica-
25 *Sub* tions system between an access point emulating said phone
26 *al* and an access point emulating said headset, if necessary,
27 to provide communications between said phone and said
28 headset when said phone and said headset are separated by a
29 distance greater than said distance limit.

THE UNIVERSITY OF CHICAGO

add
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